5. **Project Name:** Citywide Traffic Calming/Mitigation
Client: City of Coral Gables
Address: 285 Aragon Avenue
City, State, Zip: Coral Gables, FL 33134
Contact: Alberto Delgado, Director of Public Works
Telephone/Fax No.: (305)460-5001
Consultant Fee/Construction Fee: $65,000/$500,000
E-mail: adelgado@cgables.com
Start/Completion: 1998/1999
McM Staff Assigned to Project:
Carolyn Gish, P.E., Senior Project Manager
Patricia M. Barr, P.E., Project Manager

Scope of Work:

McM provided a citywide conceptual transportation plan, which included the development of traffic calming measures to address intrusive traffic patterns through the various neighborhoods, to the City of Coral Gables. The primary focus of the study is related to identifying the transportation issues and applying traffic calming techniques to alleviate such problems as heavy traffic volume, cut-through traffic into neighborhoods, and speeding. A second phase of the project is addressing transportation improvements to intersections, transit and bicycle/sidewalk trails. Additionally, this study addressed a complete transportation system for pedestrian and bicycle facility's improvements, which provided links amongst the many diverse neighborhoods within the City with other public facilities. The links included parks and public schools, as well as the University of Miami.

6. **Project Name:** Traffic Calming Plan
Client: City of Deerfield Beach
Address: 150 NE Second Avenue
City, State, Zip: Deerfield Beach, FL 33441-3598
Contact: Larry R. Deetjen, City Manager
Telephone/Fax No.: (954) 480-4263/(954) 480-4268
Consultant Fee/Construction Fee: $275,000/$2M
E-mail: ldeetjen@deerfield-beach.com
Start/Completion: 2002/2004
McM Staff Assigned to Project:
Carolyn Gish, P.E., Senior Project Manager
Patricia M. Barr, P.E., Project Manager
Etienne Bourgeois, P.E., Senior Project Engineer
John Jay Maliff, AICP, Senior Project Planner

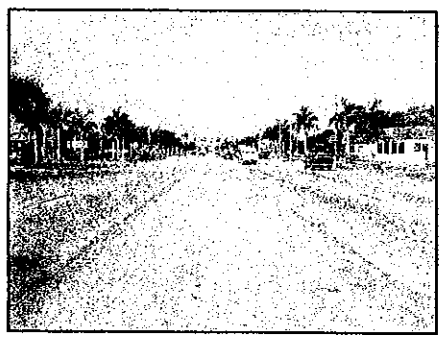
Scope of Work:

Conducted speeding and stop sign running data collection to examine problems in several neighborhoods including the Northeast Communities, Northwest Communities, Pioneer Park and the Cove neighborhoods. McM's responsibilities included conducting committee meetings for

the various neighborhoods, presenting PowerPoint presentations detailing the results of the data collection analysis and providing recommendations for implementing traffic calming in the problem areas of each neighborhood. Participated in public workshops. Prepared the Traffic Study report and the final report covering the traffic calming process from its inception to the final recommendations, including several committee meetings and two public workshops.

7. **Project Name:** City-wide Traffic Study/Traffic Calming
   Client: City of Fort Myers
   Address: 2200 Second Street
   City, State, Zip: Fort Myers, FL 33902-2217
   Contact: Saeed Kazemi P. E., City Engineer
   Telephone/Fax No.: (239) 332-6830/(239) 332-6604
   Consultant Fee/Construction Fee: $200,000/$3M
   E-mail: skazemi@cityftmyers.com
   Start/Completion: 2002/2003
   McM Staff Assigned to Project:
   Carolyn Gish, P.E., Senior Project Manager
   Patricia M. Barr, P.E., Project Manager
   John Jay Maliff, AICP, Senior Project Planner

Scope of Work:



Citywide Traffic Study, which involved five Wards and various neighborhood committees, to address speeding, cut-through traffic, and significant increase in traffic growth over the last several years. The study included a significant level of public involvement, and development of a Comprehensive Citywide Traffic Calming Plan. The plan also included developing standards to address future traffic calming needs in the City. In addition to the Traffic Calming McMahon Associates, Inc. also provided corridor improvements from Seaboard Street to Interstate I-75. The project includes Traffic Data Collection, Turning Movement Counts at all intersections; FDOT Study/Reports of Planned Improvements, Traffic Signal plans for all intersections, accident history (for a three (3) year period) and corridor right-of-way plans. All data was utilized to perform the Corridor Traffic Assessment and Access Management Planning. The project also included, an Access Management Plan and traffic signalization/intersection analysis.

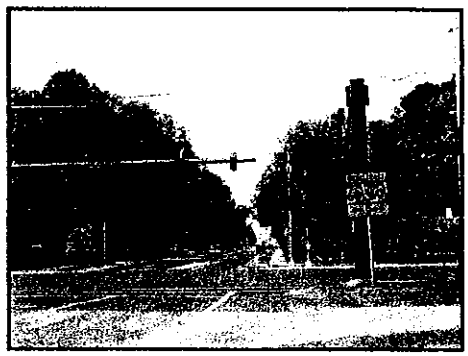
8. **Project Name:** SR-60 at 27th Avenue Intersection Improvements
   Client: Florida Department of Transportation
   Address: 3400 West Commercial Boulevard
   City, State, Zip: Fort Lauderdale, FL 33309
   Contact: Robert Bostian, P.E., Section Leader
   Telephone/Fax No.: (954) 777-4427/(954) 777-4634
   Consultant Fee/Construction Fee: $165,000/$980,000
   E-mail: robert.bostian@dot.state.fl.us

Start/Completion: 2002/2004

McM Staff Assigned to Project:

Carolyn Gish, P.E., Project Manager
Patricia M. Barr, P.E., Senior Project Engineer, Signal Design
Alberto T. Zuniga, P.E., Senior Project Engineer, Roadway/Drainage Design

Scope of Work:



This project was coordinated with an adjoining FDOT, Joint Agreement Project along 27th Avenue. The project involved complete pavement restoration, minor reconstruction, milling and resurfacing, sidewalk improvements, ADA compliance upgrades, drainage improvements, traffic signalization and landscape improvements. A unique aspect of the design process was the coordination of the traffic control plan, because the two (2) projects were being constructed simultaneously. McM coordinated, through the Department and the City of Vero Beach, the development of construction sequencing to avoid detours during construction. Major canal/drainage improvements along 27th Avenue significantly impacted the roadway and, therefore, alternative construction techniques and traffic control phasing were required to minimize disruption to the traveling public, while expediting a safe construction plan.

9. **Project Name:** SR-814/Atlantic Boulevard
Client: Florida Department of Transportation
Address: 3400 West Commercial Boulevard
City, State, Zip: Fort Lauderdale, FL 33309
Contact: Donovan Pessoa, P.E., Project Manager
Telephone/Fax No.: (954) 777-4222/(954) 777-4086
Consultant Fee/Construction Fee: $252,000/$1.6M
E-mail donovan.pessoa@dot.state.fl.us
Start/Completion: 2002/2004

McM Staff Assigned to Project:

Carolyn Gish, P.E., Senior Project Manager
Patricia M. Barr, P.E., Project Manager, Signal Design
Etienne Bourgeois, P.E., Proj. Engr., Utility Coordination

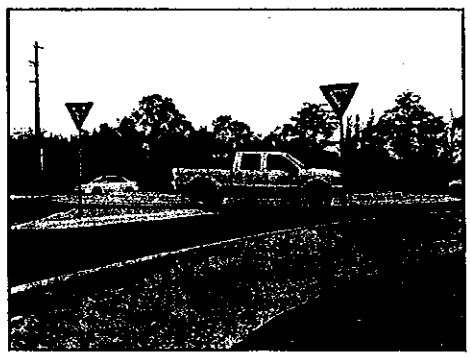
Scope of Work:

Corridor improvements from Dixie Highway to NE 3rd Avenue. The project included minor reconstruction, milling and resurfacing, landscaping and signalization upgrades at three intersections. Included with the project was the closure of median access at NE 1st Avenue. Several roadway alternatives were analyzed and coordinated with the public.

10. **Project Name:** Holmberg Road Resurfacing/ Traffic Calming Plan
Client: City of Parkland
Address: 6600 University Drive

City, State, Zip: Parkland, FL 33067
Contact: Harry J. Mertz, City Manager
Telephone/Fax No.: (954) 753-5040/(954) 341-5161
Consultant Fee/Construction Fee: $43,000/$500,000
E-mail: hmertz@cityofparkland.org
Start/Completion: 2000/2000
McM Staff Assigned to Project:
Carolyn Gish, P.E., Senior Project Manager
Patricia M. Barr, P.E., Project Manager, Roadway Design

Scope of Work:



Designed and prepared construction plans for the approximate 2.8 mile resurfacing project along Holmberg Road, from SR-7 (US-441) to NW 80th Street. The project also involved the design of a roundabout at the intersection of Holmberg Road and Parkside Drive. The project required utility relocations, storm drainage modifications, pavement design, maintenance of traffic plans, pavement marking and signing plans. A temporary roadway design was provided and constructed to accommodate traffic during the construction of the roundabout without disruptions to the normal traffic flow.

11. **Project Name:** SR-858/Hallandale Beach Boulevard (West)
Client: Florida Department of Transportation
Address: 3400 West Commercial Boulevard
City, State, Zip: Fort Lauderdale, FL 33309
Contact: Jean Hanna, E.I., MSCE, Project Manager
Telephone/Fax No.: (954) 777-4440/(954) 777-4634
Consultant Fee/Construction Fee: $266,000/$1.2M
E-mail: jean.hanna@dot.state.fl.us
Start/Completion: 2001/2004
McM Staff Assigned to Project:
Carolyn Gish, P.E., Senior Project Manager
Patricia M. Barr, P.E., Project Manager, Roadway Design/Signal Design
Allison C. Shaw, P.E., Senior Project Engineer, Drainage Design
Etienne B. Bourgeois, P.E., Senior Project Engineer, Utility Coordination
James E. Angstadt, E.I., Senior Project Engineer, Drainage Design

Scope of Work:

Corridor improvements from US-1 to Dixie Highway. The project includes developing the Resurfacing, Restoration, and Rehabilitation Report, Community Awareness Plan, and conceptual designs for the initial plan of work. The design includes minor reconstruction, milling, and resurfacing, median modification, signalization upgrades, utility and lighting relocation, and landscaping. The

intersection at US-1 and SR-858 requires significant adjustments to the alignment along SR-858 to fix existing deficiencies.

12. **Project Name:** SR-858/Hallandale Beach Boulevard (East)
Client: Florida Department of Transportation
Address: 3400 West Commercial Boulevard
City, State, Zip: Fort Lauderdale, FL 33309
Contact: Jean Hanna, E.I., MSCE, Project Manager
Telephone/Fax No.: (954) 777-4440/(954) 777-4634
Consultant Fee/Construction Fee: $502,000/$2.1M
E-mail: jean.hanna@dot.state.fl.us
Start/Completion: 2001/2004
McM Staff Assigned to Project:
Carolyn Gish, P.E., Senior Project Manager
Patricia M. Barr, P.E., Project Manager, Roadway Design/Signal Design
Allison C. Shaw, P.E., Senior Project Engineer, Drainage Design
Etienne B. Bourgeois, P.E., Senior Project Engineer, Utility Coordination
James E. Angstadt, E.I., Senior Project Engineer, Drainage Design

Scope of Work:
Corridor improvements from US-1 to Three Islands Boulevard. The project includes developing the Resurfacing, Restoration, and Rehabilitation Report, Community Awareness Plan, and conceptual designs for the initial plan of work. The design includes minor reconstruction, milling, and resurfacing, median modification, signalization upgrades, utility and lighting relocation, and landscaping. The intersection at US-1 and SR-858 requires significant adjustments to the alignment along SR-858 to fix existing deficiencies.

13. **Project Name:** SR-824/Pembroke Road
Client: Florida Department of Transportation
Address: 3400 West Commercial Boulevard
City, State, Zip: Fort Lauderdale, FL 33309
Contact: Fausto Gomez, P.E., Project Manager
Telephone No.: (954) 777-4466
Consultant Fee/Construction Fee: $220,000/$3.7M
E-mail: fausto.gomez@dot.state.fl.us
Start/Completion: 2003/2005
McM Staff Assigned to Project:
Carolyn Gish, P.E., Senior Project Manager
Patricia M. Barr, P.E., Project Manager, Roadway Design/Signal Design
Alberto T. Zuniga, P.E., Senior Project Engineer, Roadway/Drainage Design
James E. Angstadt, E.I., Senior Project Engineer, Drainage Design
Patricia A. Dahl, P.E., Senior Project Engineer, MOT/Signing and Marking

Etienne B. Bourgeois, P.E., Senior Project Engineer, Roadway Design/MOT/Utility Coordination

Scope of Work:

Corridor improvements from University Drive to SW 62nd Avenue, ± two (2) miles in a highly urbanized area. The project includes milling and resurfacing, median modifications, drainage improvements, ADA improvements, driveway reconstruction, signalization upgrades, new lighting installation and landscaping.

14. **Project Name:** SR-5/US-1 Milling & Resurfacing (from 33rd Street to N of CR-510)

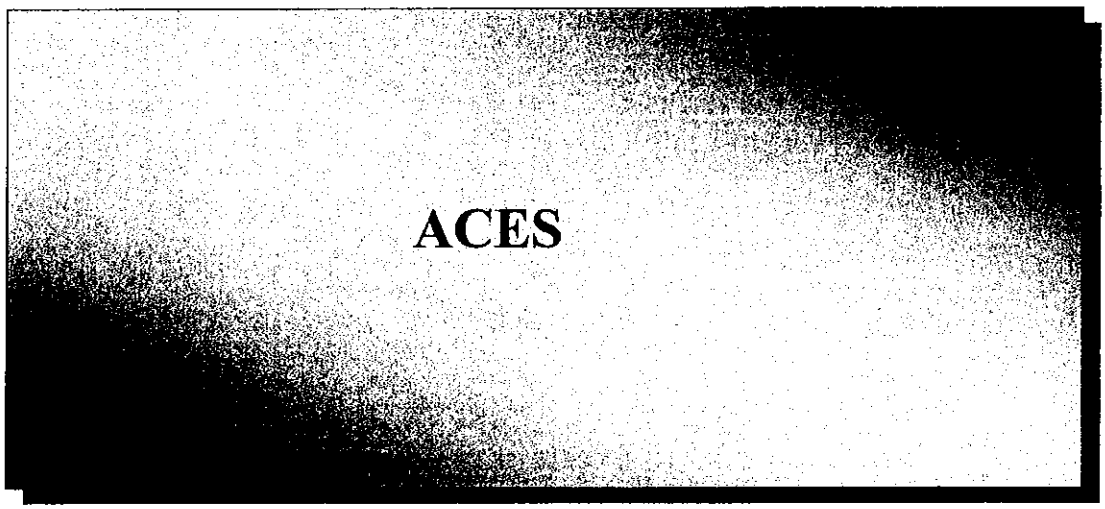
Client: Florida Department of Transportation
Address: 3400 West Commercial Boulevard
Contact: Jean Hanna, E.I., M.S.C.E., Project Manager
City, State, Zip: Fort Lauderdale, FL 33309
Telephone/Fax No.: (954) 777-4440/(954) 777-4634
Consultant Fee/Construction Fee: $678,000/$2.8M
E-mail: jean.hanna@dot.state.fl.us
Start/Completion: 2003/2005
McM Staff Assigned to Project:

Carolyn Gish, P.E., Senior Project Manager
Patricia M. Barr, P.E., Project Manager, Roadway Design/Signal Design
James E. Angstadt, E.I., Senior Project Engineer, Drainage Design
Allison C. Shaw, P.E., Senior Project Engineer, Drainage Design
Patricia A. Dahl, P.E., Senior Project Engineer, MOT/Signing and Marking
Etienne B. Bourgeois, P.E., Senior Project Engineer, Roadway Design/MOT/Utility Coordination

Scope of Work:

Roadway improvements from 33rd Street to North of County Road 510 in Indian River County, approximately seven (7) and one-half miles. In the preliminary phase of this project, a resurfacing, restoration and rehabilitation report was prepared, as were the Community Awareness and Access Management Plans.

The design phase includes the milling and restoration of the existing pavement, widening, curb and gutter installation to meet current standards. Storm water Design and Permitting is critical for this project. This project also includes signalization lighting and landscaping.



McMAHON ASSOCIATES, INC.
TRANSPORTATION ENGINEERS & PLANNERS

RESPONSIVE
TRANSPORTATION
SOLUTIONS

FORM (SF)

254

Architect-Engineer and Related Services Questionnaire

Name: **CONSULTING ENGINEERING SERVICES, INC. (ACES)**

ADVANCE PARK BOULEVARD

7800 W. OAKLAND SUITE 109

SUNRISE, FLORIDA 33351

24/9 /20/

4. Specify type of ownership *and* check below, if applicable.
CORPORATION Certified DBE for FDOT, Dade County and Broward County.

X	A. Small Business
X	B. Small Disadvantaged Business
X	C. Woman-owned Business

1a. Submittal is for X Parent Company | Branch or Subsidiary Office

5. Name of Parent Company, if any:
Not Applicable

5a. Former Parent Company Name(s), if any, and Year(s) Established:
Not Applicable

6. Names of not more than Two Principals to Contact: Title / Telephone
1) **Juan G. Soto, President (954) 746-6868**
2) **Azucena Z. Soto, Vice President (954) 746-6868**

7. Present Offices: City / State / Telephone / No. Personnel Each Office
Advance Consulting Engineering Services, Inc. / Sunrise, Florida 33351 / (954) 746-6868 / 2
Advance Consulting Engineering Services, Inc./ Miami, Florida 33178 / (305) 331-5150 / 1

7a. Total Personnel 3

8. Personnel by Discipline: *(List each person only once, by primary function).*

Administrative
Architects
Chemical Engineers
Civil Engineers
Construction Inspectors
Draftsmen 1
Ecologists
Economists
Electrical Engineers
Estimators
Geologists (Environmental)
Hydrogeologists
Interior Designers
Landscape Architects
Mechanical Engineers
Mining Engineers
Oceanographers
Planners: Urban / Regional
Sanitary Engineers
2 Geotechnical Engineers
Specification Writers
Structural Engineers
Surveyors
Transportation Engineers
Field Technicians
Lab Technicians
Drillers / Helpers
Threshold Engineer
Inspectors
Environmental Technicians
Environmental Other

9. Summary of Professional Services Fees

Received: (Insert index number)

Last 5 Years (most recent year first)

	2003	2002	2001	2000	1999
Direct Federal contract work, including overseas					
All other domestic work	3	3	3	3	3
All foreign work*					

*Firms interested in foreign work, but without such experience, check here:

Ranges of Professional Services Fees

INDEX

1 Less than $100,000
2 $100,000 to $250,000
3 $250,000 to $500,000
4 $500,000 to $1 million
5 $1 million to $2 million
6 $2 million to $5 million
7 $5 million to $10 million
8 $10 million or greater

10. Profile of Firm's Project Experience, Last 5 Years

Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)
1) 097	250	4,000	11)			21)		
2)			12)			22)		
3)			13)			23)		
4)			14)			24)		
5)			15)			25)		
6)			16)			26)		
7)			17)			27)		
8)			18)			28)		
9)			19)			29)		
10)			20)			30)		

PROFILE CODE	"P","C"," JV" OR "IE"	PROJECT NAME AND LOCATION	OWNER NAME AND ADDRESS	COST OF WORK	COMPLETION DATE (ACTUAL OR ESTIMATED)
097	C	1. Sheridan Street Improvements from NW 172nd Avenue to NW 196 Avenue, Pembroke Pines, Broward County, Florida	Broward County c/o Craven Thompson and Associates, Inc.	$22,500.00	2002
097	C	2. Ravenswood Improvements from Sheridan Street to Griffin Road, Dania, Broward County, Florida	Broward County c/o EAC Consulting Inc.	$25,000.00	2002
097	IE	3. S.E. 17th Street Causeway Bridge Replacement over Intracoastal (Final Design), Fort Lauderdale, Florida	FDOT, c/o E.C. Driver and Associates	$315,000.00	1996
097	C	4. S.R. 934/ Hialeah Expressway from SR 826, Dade County, Florida	FDOT c/o Beiswenger, Hoch, and Associates, Inc.	$96,800.00	2002
097	C	5. NW 25th Street from NW 67th Avenue to NW 87th Avenue in Dade County, Florida	FDOT c/o Marlin Engineering, Inc.	$243,300.00	On going
097	C	6. South Roosevelt Boulevard from Bertha Street to U.S. 1 in Monroe County, Florida	FDOT c/o Metric Engineering, Inc.	$65,845.00	2001
097	C	7. Fort Lauderdale-Hollywood International Airport Terminal Access Roadway Improvements, Broward County, Florida	FDOT c/o Beiswenger, Hoch, and Associates, Inc.	$89,999.00	2004
097	IE	8. S.R. 80 (Southern Boulevard) Roadway and Bridge Improvements, West Palm Beach, Florida (on going)	FDOT, c/o Kimley Horn & Associates	$300,000.00	On going
097	C	9. MDCC Wolfson Campus Parking Garage, Indicator Pile Installation and Compression, Tension, and Lateral Load Testing Program, Dade County, Florida	MDCC, c/o ATC Associates, Inc.	$4,500.00	1999
097	IE	10. S.R. 836 E I S Study for a 23-mile long study area, Dade County, Florida	FDOT, c/o Parsons, Brinckerhoff, Quade and Douglas, Inc.	$200,000.00	1996

PROFILE CODE	"P","C"," JV" OR "IE"	PROJECT NAME AND LOCATION	OWNER NAME AND ADDRESS	COST OF WORK	CO ETIC DATE (ACTUAL OR ESTIMATED)
097	C	11. 12th Avenue Bridge over Miami Canal, Dade County, Florida.	FDOT c/o Beiswenger, Hoch, and Associates, Inc.	$32,600.00	1999
097	IE	12. S.R. 7 Bridge and Roadway Improvements, Boynton Beach, Florida	FDOT, c/o Lindahl, Browning, Ferrari & Hellstrom, Inc.	$150,000.00	1994
097	IE	12. Pine Island Road Roadway Improvements	Broward County, c/o Craven, Thompson and Associates, Inc.	$40,000.00	1994
097	IE	14. S.R. 15 Road Reconstruction and Bridge Replacement, Palm Beach County, Florida	FDOT, c/o Kunde, Sprecher and Associates	$75,000.00	1996
097	IE	15. S.R. 5 (U.S. 1), Station 50+00 to 326+00, in Key Largo, Florida	FDOT, c/o Consultech Engineering, Inc.	$120,000.00	1994
097	IE	16. Douglas Road Improvements for a 3-mile roadway section in Fort Lauderdale, Florida	Broward County c/o Post, Buckley, Schuh & Jernigan, Inc.	$40,000.00	1994
097	IE	17. S.R. 7 Roadway Improvements in Palm Beach County, Florida	FDOT, c/o Beiswenger, Hoch & Associates, Inc.	$75,000.00	1994
097	IE	18. S.R. 80 / S.R. 7 Roadway and Bridge Improvements in Palm Beach County, Florida	FDOT, c/o Beiswenger, Hoch & Associates, Inc.	$150,000.00	1995
097	IE	19. S.R. 838 (Sunrise Blvd.) Roadway and Bridge Improvements in Broward County, Florida	FDOT, c/o Greenhorne & O'Mara, Inc.	$50,000.00	1996
097	IE	20. N.E. 62nd Street Roadway Improvements	Broward County c/o Craig Smith & Associates, Inc.	$20,000.00	1994
097	IE	21. MacNab Road Roadway Improvements	Broward County c/o Craig Smith & Associates, Inc.	$20,000.00	1994
097	IE	22. S.R. 5 / U.S. 1 Roadway Resurface / Widening	FDOT c/o Carnahan, Proctor and Associates,	$25,000.00	1994
097	C	23. Okeechobee Road Widening in Dade County, Florida	FDOT c/o Beiswenger, Hoch, and Associates, Inc.	$126,000.00	1997
097	C	24. Metrorail Extension Project in Hialeah and Medley, Dade County, Florida	Dade County c/o Frederic R. Harris, Inc.	$215,000.00	1997
097	C	25. S.R. 80 Supplemental Work in Palm Beach County, Florida	FDOT c/o Kimley Horn and Associates, Inc.	$142,000.00	1997
097	C	26. Miramar Parkway Reconstruction in Broward County, Florida	Broward County c/o Craven Thompson and Associates, Inc.	$23,000.00	1996
097	C	27. NW 21st/23rd Avenue Improvements in Broward County, Florida	Broward County c/o Craven Thompson and Associates, Inc.	$11,280.00	1996
097	C	28. I-95 ICS Project - Package A in Dade County, Florida	FDOT c/o Kimley Horn and Associates, Inc.	$60,000.00	1997
097	C	29. I-95 ICS Project - Package B in Dade County, Florida	FDOT c/o Kimley Horn and Associates, Inc.	$16,000.00	1997
097	C	30. S.R. 5 (U.S. 1), Station 50+00 to 326+00, in Key Largo, Florida	FDOT, c/o Consultech Engineering, Inc.	$5,000.00	1997
097	C	31. Broward County Civic Arena in Broward County, Florida	Beiswenger, Hoch, and Associates, Inc.	$52,000.00	1997

PROFILE CODE	"P","C"," JV" OR "IE"	PROJECT NAME AND LOCATION .	OWNER NAME AND ADDRESS	COST OF WORK	COMPLETION DATE (ACTUAL OR ESTIMATED)
097	C	32. NW 136th Improvements in Broward County, Florida	Broward County c/o Craven Thompson and Associates, Inc.	$17,000.00	1998
097	C	33. Florida's Turnpike Widening from Boca Raton Interchange to Delray Beach, Palm Beach County, Florida	FDOT, c/o Frederic R. Harris, Inc.	$120,000.00	1998
097	C	34. Krome Avenue Widening from S.W. 8th Avenue to Miccosukee Bingo Entrance, Dade County, Florida	FDOT, c/o Consultech Engineering, Inc.	$8,000.00	1998
097	IE	35. Metro Mover Brickell Extension Foundation Design for a 1-mile long elevated guideway, Miami, Florida	Dade County, c/o Post, Buckley, Schuh & Jernigan, Inc	$250,000.00	1991
097	C	36. Sunrise Boulevard Improvements from Hiatus Road to Pine Island Road, Broward County, Florida	Broward County c/o Craven Thompson and Associates, Inc.	$21,000.00	1998
097	C	37. NW 21 Avenue from NW 19th Street to Oakland Park Blvd., Fort Lauderdale, Broward County, Florida	Broward County c/o Craven Thompson and Associates, Inc.	$25,000.00	2001
097	C	38. S.W. 4th Avenue Improvements from SR 84 to Perimeter Road, Broward County, Florida	Broward County c/o Craven Thompson and Associates, Inc.	$10,000.00	1999
097	C	39. SW 4th Avenue Improvements from SR 84 to Perimeter Road, Fort Lauderdale, Broward County, Florida	Broward County c/o Craven Thompson and Associates, Inc.	$18,000.00	1999

12. The forcgoing is a statement of facts

SIGNATURE:

Typed Name and Title:

Juan G. Soto, P.E. - President

Date:

October 6, 2004

PROJECT NAME: I95 Intelligent Corridor System, Dade County

PROJECT LOCATION: Miami – Dade County, Florida

PROJECT OWNERS NAME & ADDRESS:
Florida Department of Transportation, Florida
C/o Kimley-Horn and Associates
4431 Embarcadero Drive
West Palm Beach, Fl.

Attention: Mr. Tom Farnan, P.E.
Phone #: (561) 845-0665

ESTIMATED COST (in thousands): $ 15,000

WORK FOR WHICH FIRM WAS RESPONSIBLE: $ 30,000

PROJECT INVOLVED:
Geotechnical engineering services for road reconstruction and improvements

PROJECT DESCRIPTION:

Advance Consulting Engineering Services, Inc. performed geotechnical testing and evaluation, and prepare foundation recommendations for the construction of different structures and devices such as close circuit television cameras, video image detectors, arterial variable message signs etc, along I 95 in Miami - Dade County (US 1 to Ives Dairy Road). The purpose of this project is to collect information about the traffic flow with all the devices installed along I 95, and adjust the messages in the signs for the drivers so the I95 can be used more efficiently.

PROJECT NAME: Metrorail Extension to the Palmetto Expressway and Muti-Modal Facility

PROJECT LOCATION: Medley, Miami – Dade County, Florida

PROJECT OWNERS NAME & ADDRESS:
Miami Dade County Transit Authority
C/o Frederic H. Harris, Inc.
800 Douglas Road, Suite 770
Coral Gables, FL 33134

Attention: Mr. Saul Perez
Phone #: (305) 444-8241

ESTIMATED COST (in thousands): $80,000

WORK FOR WHICH FIRM WAS RESPONSIBLE: $82,000

PROJECT INVOLVED:
Geotechnical engineering services for the construction of a new Metrorail Station and Transitway

PROJECT DESCRIPTION:

Advance Consulting Engineering Services, Inc. performed subsurface exploration, laboratory testing, geotechnical evaluation and prepared foundation recommendations for over a mile of elevated railway track, station, parking lot, and roadways from the existing Okeechobee Metrorail Station to NW 74 Street and west of Palmetto Expressway. The proposed metrorail extension is expected to reduce the traffic flow to already congested SR826 (Palmetto Expressway).

PROJECT NAME: SR 25 (Okeechobee Road) Widening

PROJECT LOCATION: Miami-Dade County, Florida

PROJECT OWNERS NAME & ADDRESS:

Florida Department of Transportation, Florida

C/o Beiswenger Hoch and Associates
1190 NE 163rd Street, Suite 203, North Miami Beach, Fl. 33162

Attention: Mr. Robert Filusch, P.E.
Phone: (305) 944-5151

ESTIMATED COST (in thousands): $ 20,000

WORK FOR WHICH FIRM WAS RESPONSIBLE: $ 150,000

PROJECT INVOLVED:

Geotechnical Engineering Services

PROJECT DESCRIPTION:

Advance Consulting Engineering Services, Inc. (ACES) performed the subsurface exploration, laboratory analysis and foundation recommendations for the widening of Okeechobee Road. This widening includes the construction of a depressed portion of the roadway without obstructing the traffic flow. Slurry walls, sheet piles, vertical and inclined anchors, and seepage analysis were some of the studies performed in order to evaluate the project design requirements

7800 West Oakland Park Blvd.
Suite 109
Sunrise, Fl 33351
Phone (954) 746-6868 – Fax (954) 746-6898

PROJECT NAME: NW 25th Street Improvements

PROJECT LOCATION: Miami, Miami-Dade County, Florida

PROJECT OWNERS NAME & ADDRESS:
Florida Department of Transportation, Florida
C/o Marlin Engineering
2191 NW 97th Avenue
Miami, Fl. 33172

Attention: Mr. Miguel Soria
Phone # (305) 477-7575

ESTIMATED COST (in thousands): $60,000

WORK FOR WHICH FIRM WAS RESPONSIBLE: $250,000

PROJECT INVOLVED:
Geotechnical engineering services

PROJECT DESCRIPTION:

Advance Consulting Engineering Services, Inc. is under contract to perform the subsurface exploration, laboratory analysis and foundation recommendations for the roadway design of NW 25th Street Improvements and the Viaduct Structure over the North Line Canal. One and two level structures will be constructed along NW 25th Street over North Line Canal with approach embankments retained with MSE retaining walls. This project is approximately 2 miles long from NW 22 Street along 68th Avenue, NW 25th Street ending on NW 89th Court.

7800 West Oakland Park Blvd.
Suite 109
Sunrise, Fl 33351
Phone (954) 746-6868 – Fax (954) 746-6898

PROJECT NAME: Fort Lauderdale – Hollywood International Airport Terminal Access Roadway Improvements

PROJECT LOCATION: Fort Lauderdale, Florida

PROJECT OWNERS NAME & ADDRESS: Florida Department of Transportation, Florida

C/o Beiswenger Hoch and Associates
1190 NE 163rd Street
Suite 203
North Miami Beach, Fl. 33162

Attention: Mr. Robert Filusch
Phone # (305) 944-5151

ESTIMATED COST (in thousands): $ 50,000

WORK FOR WHICH FIRM WAS RESPONSIBLE: $100,000

PROJECT INVOLVED:

Design Built geotechnical engineering services for roads and bridges construction and improvements

PROJECT DESCRIPTION:

Advance Consulting Engineering Services, Inc. (ACES) is part of the design – built team for the construction of six bridges and ramps for the new access to the Fort Lauderdale-Hollywood International Airport. ACES was assigned to be the geotechnical engineer for the design of the foundation for the proposed bridges. Evaluation of settlement and slope stability for the proposed slope embankments, and settlement and soil reinforcement length design for MSE walls.

ACES, Inc.
Consulting Engineers

PROJECT NAME: Turnpike Widening from Boca Raton Interchange to Delray Beach

PROJECT LOCATION: Boca Raton, Palm Beach County, Florida

PROJECT OWNERS NAME & ADDRESS:

Florida Department of Transportation
C/o Frederic H. Harris, Inc.
800 Douglas Road, Suite 770
Coral Gables, FL 33134

Attention: Mr. Saul Perez
Phone #: (305) 444-8241

ESTIMATED COST (in thousands): $15,000

WORK FOR WHICH FIRM WAS RESPONSIBLE: $119,000

PROJECT INVOLVED:

Geotechnical exploration services for widening of two lanes (one in each direction) of the existing Florida Turnpike between the Boca Raton Interchange and Atlantic Avenue.

PROJECT DESCRIPTION:

Advance Consulting Engineering Services, Inc. (ACES) performed geotechnical testing and evaluation for the construction of this 5.7-mile widening along Florida's Turnpike. The proposed improvement considers one additional lane in each direction of Florida's Turnpike so that the proposed roadway, once finished, will have three traffic lanes in each direction. The addition of these two lanes will also require widening of the bridges along Turnpike at several locations and reconstruction of the ramps near the Boca Raton Interchange and Atlantic Avenue.

7800 West Oakland Park Blvd.
Suite 109
Sunrise, Fl 33351
Phone (954) 746-6868 – Fax (954) 746-6898

ACES, Inc.
Consulting Engineers

PROJECT NAME: SR 80 (Southern Boulevard from West of Haverhill Road to Parker Avenue)

PROJECT LOCATION: West Palm Beach, Florida

PROJECT OWNERS NAME & ADDRESS:
Florida Department of Transportation, Florida
C/o Kimley-Horn and Associates
4431 Embarcadero Drive
West Palm Beach, Fl.

Attention: Mr. Tom Farnan, P.E.
Phone #: (561) 845-0665

ESTIMATED COST (in thousands): $50,000

WORK FOR WHICH FIRM WAS RESPONSIBLE: $120,000

PROJECT INVOLVED:
Geotechnical Engineering Services

PROJECT DESCRIPTION:

Advance Consulting Engineering Services, Inc. (ACES) performed geotechnical testing and evaluation for the construction of 6 miles of roadways and bridge structures. This project includes the new construction and reconstruction of several bridges, MSE walls, constructions of near approach embankments, relocation of the C-51 and Stub canals and their stability maintenance through combination of sheet piles and slope protection measures. ACES also performed geotechnical explorations for sign structures and high mast lights as well additional borings for the proposed water retention ponds. Ground water table monitoring was also performed through the use of monitoring wells in areas where the natural ground water table appeared to be relatively high.

7800 West Oakland Park Blvd.
Suite 109
Sunrise, Fl 33351
Phone (954) 746-6868 – Fax (954) 746-6898

PROJECT NAME: SR A1A / South Roosevelt Blvd. from Bertha St. to US 1

PROJECT LOCATION: Key West, Florida

PROJECT OWNERS NAME & ADDRESS:

Florida Department of Transportation, Florida

C/o Metric Engineering, Inc
13940 SW 136 Street
Suite 200
Miami, Florida 33186

Attention: Mr. Manny Benitez
Phone #: (305) 235-5098

ESTIMATED COST (in thousands): $ 7,000

WORK FOR WHICH FIRM WAS RESPONSIBLE: $ 65,000

PROJECT INVOLVED:

Geotechnical engineering services for road reconstruction and improvements

PROJECT DESCRIPTION:

Advance Consulting Engineering Services, Inc. (ACES) is a sub consultant to Metric Engineering for the reconstruction and improvements of existing SR A1A / South Roosevelt Blvd. from Bertha Street to US 1 in the city of Key West Florida, including new parking areas, and path for bikes and pedestrians. The approximate total length of the project was 2.9 miles.

ACES collected information from 144 auger borings to depths ranging from 6 to 20 feet deep, 13 SPT borings to depths ranging from 10 to 20 feet, 8 percolation tests and 11 probe borings to depths ranging from 1 to 9 feet. Soil stratification and laboratory testing were performed on samples collected. Engineering design for road widening, retaining walls and general recommendations for drainage trench excavation were performed.

BURNS & McDONNELL

McMAHON ASSOCIATES, INC.
TRANSPORTATION ENGINEERS & PLANNERS

RESPONSIVE
TRANSPORTATION
SOLUTIONS

Everglades Construction Projects

South Florida Water Management District

Contact
Mr. Joe Schweigardt, P.E.
South Florida Water Mgmt District
3301 Gun Club Road
West Palm Beach, Florida
561-686-8800

Consultant
Burns & McDonnell
890 South Dixie Hwy
Coral Gables, FL 33146

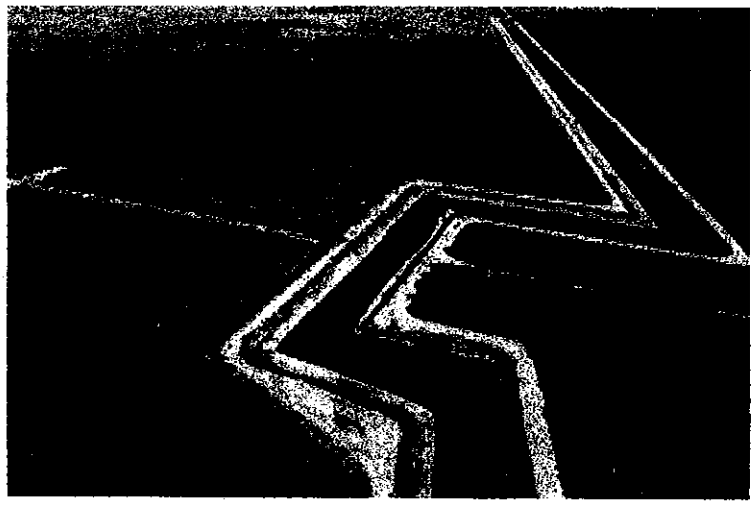
Scope Of Work
Preliminary and final designs, bid documents and construction engineering support and management for the Everglades Protection Project.

Completion Date
2003

Design Fee
$17 million

Construction Cost
Entire Project:
Estimated $660 Million
Stormwater Treatment Area 5:
Estimated $11.5 million
Actual $10.5 million
Stormwater Treatment Area 6:
Estimated $1.2 million
Actual $1.6 million
Stormwater Treatment Area 3 & 4:
Estimated $137 million

Relevant Tasks
- Hydraulic analyses
- Design of levees and canals
- Design of control structures
- Design of pump stations
- Cost estimating
- Construction program management and capital expenditure scheduling



Description
Burns & McDonnell has recently provided services to the South Florida Water Management District in the development of conceptual, preliminary, and currently, final designs for the Everglades Construction Project mandated by the Everglades Forever Act of the State of Florida. The primary physical components of the Project are a number of stormwater treatment areas, encompassing roughly 42,000 acres, and consisting of constructed wetlands intended to reduce the level of nutrients (primarily phosphorus) discharged into the Everglades Protection Area from the C-51 West, West Palm Beach, North New River, Miami, and L-3 canals. The project also includes substantial modification of the existing works of the Central and Southern Florida Flood Control Project for the restoration of appropriate hydropatterns at points of discharge to the Everglades Protection Area.

The basic definition of the Project was developed by a Technical Mediation Group formed of representatives of a wide variety of interests, including primary parties involved in a wide array of litigation surrounding the District's efforts to implement the Surface Water Improvement and Management Plan for the Everglades. Burns & McDonnell served as the primary engineering consultant to that group. Following completion of the deliberations of that group, Burns & McDonnell prepared the Conceptual Design for the Everglades Construction Project, which was subsequently incorporated by direct reference in the Everglades Forever Act.

Following passage of the Act, Burns & McDonnell prepared the preliminary design for the entire $660 million project. This effort, completed in 1996, resulted in the preparation of a series of General Design Memoranda which further defined the basic nature and design requirements for all significant elements of the project.

Burns & McDonnell subsequently prepared the detailed design for the 4,800-acre, $25 million Stormwater Treatment Area 5 and the 812-acre, $1.25 million Stormwater Treatment Area 6, Section 1, both of which have been constructed and are now operational.

Burns & McDonnell is now preparing the design of the 17,000-acre, $250 million Stormwater Treatment Area 3/4, scheduled for completion in 2003. That project will include stormwater pumping stations with capacities up to 3,670 cfs; gated spillways and numerous automated control structures; roughly forty miles of levee; and an additional 18 miles of major canal enlargements.

US 1 and Indiantown Road
Intersection Enhancement Study
Town of Jupiter, Florida

Contact
Mr. Michael Busha,
Executive Director
Treasure Coast Regional Planning Council
301 East Boulevard, Suite 300
Stuart, Florida 34994

Consultant
Burns & McDonnell
890 South Dixie Hwy
Coral Gables, FL 33146

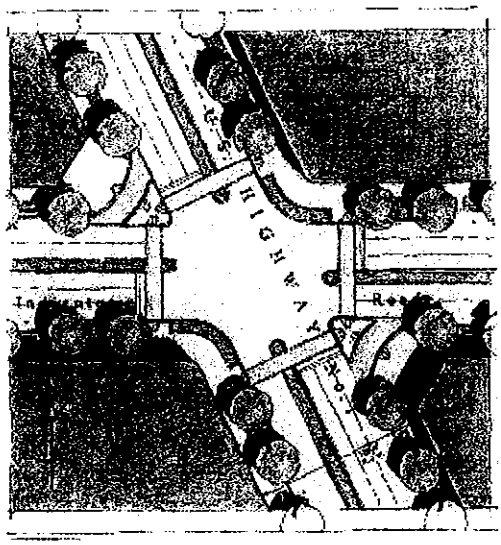
Scope Of Work
Intersection Streetscape Study

Completion Date
December 1999

Design Fee
$6,500

Construction Cost
Est. $250,000
Actual: N/A

Relevant Tasks
- Urban Design
- Roadway Design
- ADA-Compliance Audit
- Storm Drainage
- Roadway Lighting
- Public Involvement
- Landscaping
- Cost Estimates



Description
Burns & McDonnell completed an intersection enhancement study for The Town of Jupiter in Florida. The Treasure Coast Regional Planning Council administered the study. The scope of the study involved developing alternative preliminary designs and cost estimates for the intersection of US 1 and Indiantown Road leading to a selection of a preferred alternative. The proposed streetscape improvements include pavement widening, resurfacing, storm drainage, incorporation of ADA-compliant features, decorative and roadway lighting, and landscaping. Cost estimates and conceptual sketches were developed for each viable alternative.

Analysis of the existing conditions at the intersection and its vicinity was performed requiring research of existing drawings, and review of applicable zoning, transportation, landscaping and other master plans. A field review was also performed to confirm existing data and to become more familiar with the site. The available right-of-way and typical section were documented.

A preferred alternative typical section was selected from the various alternatives incorporating traffic calming and pedestrian-friendly features desired by the Town of Jupiter. The preferred alternative incorporated an expanded typical section that used all of the existing one hundred twenty foot (120'-0") wide right-of-way with the following modifications:

- Elimination of the existing 11'-0" wide outside travel lanes in both directions.
- Removal of the existing 5'-0" wide sidewalks and green utility strips, and construction of new 19'-0" wide sidewalks with 7'-0" wide planters adjacent to the existing right-of-way lines on either side.
- Introduction of 8'-6" wide parallel parking spaces with curb and gutter adjacent to the new planters in each half of the right-of-way.
- Widening of the existing 12'-0" wide median to 18'-0".
- Relocation of the underground existing overhead utilities (optional).

Seven Cities: Northern Palm Beach County
US1 Corridor Study

Treasure Coast Regional Planning Council

Contact
Mr. Michael Busha,
Executive Director
Treasure Coast Regional Planning Council
301 East Boulevard, Suite 300
Stuart, Florida 34994

Consultant
Burns & McDonnell
890 S. Dixie Hwy.
Coral Gables, FL 33146

Scope Of Work
Corridor Study

Completion Date
October 1999

Design Fee
$5,000

Construction Cost
Est. $63 Million

Relevant Task
- Urban Design
- Roadway Design
- ADA-Compliance
- Storm Drainage
- Roadway Lighting
- Public Involvement
- Landscaping
- Cost Estimating

Description
Burns & McDonnell provided engineering and urban design services for the *Seven Cities: Northern Palm Beach County US 1 Corridor Study*. The purpose of the study was to develop a master plan for the 60-mile, 4-lane urban and rural arterial corridor that bisects Palm Beach County and links the seven cities of Riviera Beach, Lake Park, North Palm Beach, Palm Beach Gardens, Juno Beach, Jupiter, and Tequesta. The study was prepared for and funded in part by the Treasure Coast Regional Planning Council (TCRPC), each of the Seven Cities, Palm Beach County, the Port of Palm Beach, the Florida Department of Community Affairs and the Florida Department of Transportation.

Goals and objectives of the study included:

- Compiling public input as to potential improvements to the corridor and tailoring these improvements to their needs.
- Determining facilities that are required by motorists, bicyclists, and pedestrians along the corridor.
- Identifying appropriate pedestrian-oriented improvements for each land-use (greater sidewalk widths, lighting, traffic-calming, on-street parking, lane-widths and medians).
- Developing streetscape enhancements coordinated with the adjacent land use (relocation of above ground utilities underground, use of parking garages to consolidate parking areas, landscaping, enhanced building facades, repositioning buildings closer to street, enhancing storefronts and permitting mixed-use buildings).
- Studying alternative typical sections that optimize the corridor configuration for each land use.

Burns & McDonnell was responsible for evaluating and refining each of the infrastructure and streetscape improvement concepts generated during a two week-long public involvement "charrette". More than 100 people attended the sessions including: property owners, neighbors, business people, developers and the mayors and staff from each of the seven cities and towns.

Burns & McDonnell also verified the feasibility of each of the concepts, revised them as required to comply with federal, state, and local design standards and prepared order of magnitude cost estimates for each alternative.

The master plan has been adopted by the Seven Cities and is being used by local municipalities and the Florida Department of Transportation as a guide for future changes along the corridor.

W. Edgewood Drive – Phase I

City of Jefferson City, Missouri

Contact
Mr. Jack Kramer
Director
Engineering Division
Jefferson City Dept. of Public Works
320 E. McCarty St.
Jefferson City, Missouri 65101
(573) 634-6440

Consultant
Burns & McDonnell
890 South Dixie Hwy
Coral Gables, FL 33146

Scope Of Work
Roadway Design

Completion Date
1998

Design Fee
$100,000

Construction Cost
Estimated $ 2.6 million
Actual $2.6 million

Relevant Tasks
- Horizontal and vertical geometry
- Storm water management
- Roadway lighting
- Signing and marking
- Traffic control plans
- Environmental permitting
- Soils and material testing
- Geotechnical engineering
- Right-of-Way engineering

Description
W. Edgewood Drive was conceptually designed as an urban arterial parkway on new alignment in and adjacent to the Weir's Creek valley. The roadway connects two important transportation corridors in the city, Stadium Drive and Fairgrounds Road. The first phase, from Stadium Drive to Wildwood Drive, is a 1.7-mile, $2.6-million segment located in an area in which the demand for commercially developable property is high. Additionally, a connection to the planned Mo. Route 179 was to be made in the Phase I section.

The terrain adjacent to the narrow valley is steeply rolling with shallow soils over rock. Profile design of the project made balanced economical use of corridor materials, while elevating the roadway proper above the floodway.

Iterative computer analysis of alternate grades and alignment helped to meet this challenge. Computer models of Weir's Creek and the detailed corridor tributary areas were applied to design the drainage facilities for watershed service, including detention.

The design featured a natural, linear park space along the street, with provisions for bikeways, fitness trails and parking. Scenic easements were placed along the south side of the corridor to maintain a striking visual backdrop. The roadway lighting system provides supplemental security lighting along the parallel bicycle/pedestrian-park corridor.

W. Edgewood Drive – Phase I

City of Jefferson City, Missouri

Contact
Mr. Jack Kramer
Director
Engineering Division
Jefferson City Dept. of Public Works
320 E. McCarty St.
Jefferson City, Missouri 65101
(573) 634-6440

Consultant
Burns & McDonnell
890 South Dixie Hwy
Coral Gables, FL 33146

Scope Of Work
Roadway Design

Completion Date
1998

Design Fee
$100,000

Construction Cost
Estimated $ 2.6 million
Actual $2.6 million

Relevant Tasks
- Horizontal and vertical geometry
- Storm water management
- Roadway lighting
- Signing and marking
- Traffic control plans
- Environmental permitting
- Soils and material testing
- Geotechnical engineering
- Right-of-Way engineering

Description
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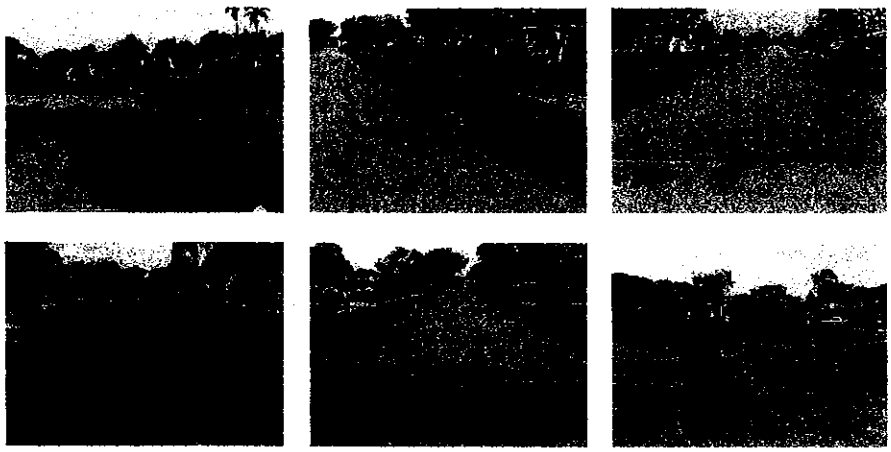
FEMA-DORM Drainage Projects

Administered by Miami-Dade DERM

Miami-Dade County, Florida

Contact
Master Consultant
José Nessi
TY Lin/H. J. Ross
800 Douglas Entrance
Annex Building, Suite 250
Coral Gables, FL 33134-3163
(305) 567-1888

Consultant
Burns & McDonnell
2701 Ponce de Leon Boulevard
Suite 300
Coral Gables, FL 33134
(305) 476-5820



Description

Miami-Dade County has obtained federal assistance for the restoration of over 3,300 sites affected by the flooding that occurred when Hurricane Irene (October 1999) and the "No-Name" Storm (October 2000) battered Miami-Dade County. The Federal Emergency management Agency (FEMA) Division of Recovery and Mitigation (DORM) is responsible for the work program that involves the restoration of county roads damaged by flooding and construction of measures to mitigate potential flooding in the future. Restoration of county roads includes design of drainage systems to mitigate flooding and to provide pre-treatment of stormwater flows prior to outfall. Depending on the severity of the flooding and roadway damage, the projects will require either reconstruction and/or resurfacing of roads. The restoration program involves 922 sites throughout Miami-Dade County worth $130 million in improvements. The program also involves replacement of 2,085 slab covered trenches and positive outfall drainage system sites with French drain-based systems that provide pre-treatment of stormwater runoff flows prior to outfall. The cost of the replacement is estimated at $347 million.

Burns & McDonnell has been involved in the restoration effort completing the design of more than 10 sites countywide with an estimated allocation of over 25 sites. Each site must be designed and built within FEMA's funding parameters. This fast-track project requires completion of site designs in approximately two weeks. The scope of work includes drainage design, roadway design, coordination of underground utility locations, and permitting of the improvements. The engineering is being done in accordance with Miami-Dade County DERM criteria and Public Works Department standards. The four-year program is anticipated to continue through 2005 with design efforts anticipated to be completed by end of 2002.

Burns & McDonnell has also been involved in the development of canal dredging plans within Miami-Dade County. To date over 10 miles of canals have been negotiated for canal dredging. Each canal location must be designed and built within FEMA's funding parameters. This fast-track project requires completion of 1 mile of canal dredging plans in approximately two weeks. The scope of work includes culvert replacement, canal embankment slope stability, development of Maintenance of Traffic Plans, and installation of new guardrail. The engineering is being done in accordance with Miami-Dade County DERM criteria.

Completion Date
Start: December, 2001
Aug. 2002 (Roadway Drainage Improvements Completed)
Dec. 2002 (Est. Construction)
Sep. 2002 (Est. Begin Date for Design)

Relevant Tasks
- Data Collection
- Roadway Design
- Drainage Design
- Cost analysis
- Construction Administration
- Earthwork
- Specifications
- Field Surveys

Design Fee
$105,000.00 (Roadway Drainage Improvements)
$ 440,647.00 (Canal Dredging Plans)

Key Individuals
James Kanter, P.E.
Mauricio Paredes, P.E.
Jeannelia Liu, P.E.

Estimated Construction Cost
$3,000,000.00 (Roadway Drainage Improvements)
$11,600,00.00 (Canal Dredging Plans)

US 1 and Indiantown Road
Intersection Enhancement Study
Town of Jupiter, Florida

Contact
Mr. Michael Busha,
Executive Director
Treasure Coast Regional Planning Council
301 East Boulevard, Suite 300
Stuart, Florida 34994

Consultant
Burns & McDonnell
2701 Ponce De Leon Blvd.
Suite 300
Coral Gables, FL 33134

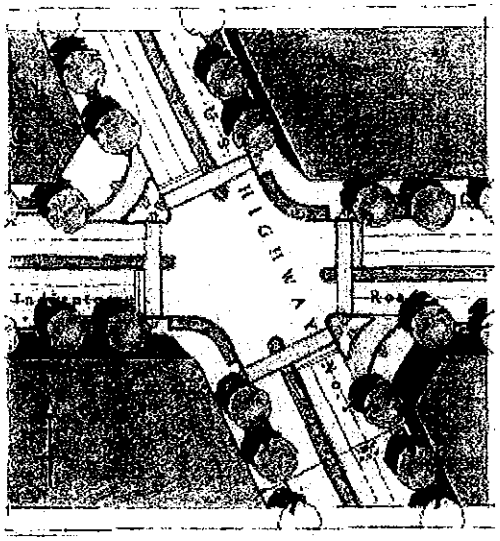
Scope Of Work
Intersection Streetscape Study

Completion Date
December 1999

Design Fee
$6,500

Construction Cost
Est. $250,000
Actual: N/A

Relevant Tasks
- Urban Design
- Roadway Design
- ADA-Compliance Audit
- Storm Drainage
- Roadway Lighting
- Public Involvement
- Landscaping
- Cost Estimates



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- Introduction of 8'-6" wide parallel parking spaces with curb and gutter adjacent to the new planters in each half of the right-of-way.
- Widening of the existing 12'-0" wide median to 18'-0".
- Relocation of the underground existing overhead utilities (optional).

Neighborhood No. 10 –Flamingo/Lummus Park

City of Miami Beach, Florida

Contact
Timothy Hemstreet
City of Miami Beach
Acting Director
Capital Improvements Projects (CIP) Office,
777 17th Street, Miami Beach, FL 33139
Tel.: (305) 673-7071, Ext. 6431
Fax: (305) 673-7073
timhemstreet@ci.miami-beach.fl.us

Consultant
Burns & McDonnell
2701 Ponce De Leon Blvd.,
Suite 300
Coral Gables, FL 33134

Scope Of Work
- Paving
- Grading
- Drainage
- Lighting
- Utilities

Completion Date
Start: August 2001
Completion: 2005

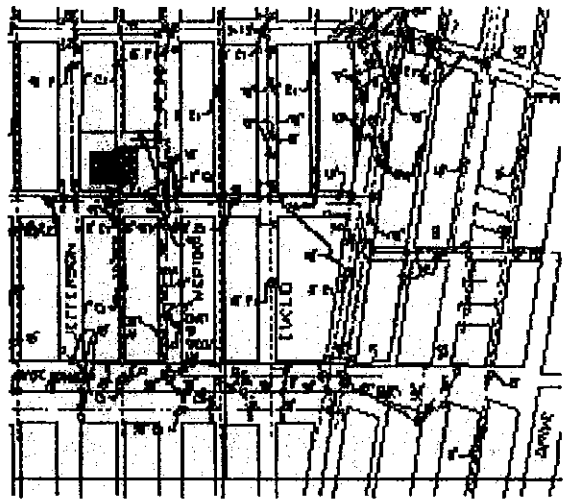
Design Fee
$588,000

Construction Cost
Est. $21 Million

Relevant Tasks
- Planning
- Design
- Stormwater analysis and design
- Water Distribution analysis and design
- Cost analysis
- Environmental permitting
- Community involvement Bidding and Award
- Construction Administration

Key Individuals
Mauricio Paredes, P.E.
James Kanter, P.E.
Ronald Colas, P.E.
Jeannelia Liu, P.E.
Carlos Perez, E.I.
Ric Martinez, P.E.

Description



Burns & McDonnell is currently principal subconsultant for the civil engineering required by this project. The scope of services includes: planning, design, bidding and award, and construction administration of the capital right-of-way infrastructure improvements for the Flamingo/Lummus neighborhood in Miami Beach, Florida. The project encompasses an area from 5th to 16th Streets, and from Alton Road to Ocean Drive. The project is located in the heart of the South Miami Beach area and includes much of the National Register Architectural District. The area is characterized by residential and commercial developments surrounding the Flamingo and Lummus Parks. Capital improvements involve upgrading the water distribution and storm drainage systems within the right-of-ways to maximum levels of service attainable with available funding. The existing infrastructure is stressed beyond capacity and deteriorating from decades of use. Plans call for replacement of undersized water mains and tuberculated pipes to increase water pressures and flows. In addition, undersized storm piping will be replaced and deep wells retrofitted to reduce flood levels and improve the water quality of stormwater runoff.

The planning effort requires the following: data collection, evaluation of existing infrastructure, alternative development and selection, and preparation of a Basis of Design Report. Initially, all utility companies will be contacted and record drawings of existing infrastructure obtained. Second, verification of master plan documents will be performed and field studies conducted to evaluate the performance of the existing water and storm drainage systems. After the evaluation process, alternatives will be developed with detailed cost analyses. The planning phase culminates in a Basis of Design Report describing the engineering analysis, alternatives and preferred alternative recommended by Burns & McDonnell for each of the components of the project.

The planning phase also involves community involvement though participation in two community design workshops. Burns & McDonnell will present various alternative implementation schemes for the water and storm drainage improvements and provide engineering support related to the above ground improvements. During these sessions valuable feedback will be obtained and incorporated into the final alternatives analysis and selection of the preferred alternative that will be the basis of the final design.

Following the planning of the improvements, construction documents will be developed under an aggressive schedule. The construction plans are anticipated to number more than 400 sheets. Total construction cost of underground infrastructure improvements is estimated at $9,919,500.

Neighborhood No. 10 –Flamingo/Lummus Park

City of Miami Beach, Florida

Contact
Timothy Hemstreet
City of Miami Beach
Acting Director
Capital Improvements Projects (CIP) Office,
777 17th Street, Miami Beach, FL 33139
Tel.: (305) 673-7071, Ext. 6431
Fax: (305) 673-7073
timhemstreet@ci.miami-beach.fl.us

Consultant
Burns & McDonnell
2701 Ponce De Leon Blvd.,
Suite 300
Coral Gables, FL 33134

Scope Of Work
- Paving
- Grading
- Drainage
- Lighting
- Utilities

Completion Date
Start: August 2001
Completion: 2005

Design Fee
$588,000

Construction Cost
Est. $21 Million

Relevant Tasks
- Planning
- Design
- Stormwater analysis and design
- Water Distribution analysis and design
- Cost analysis
- Environmental permitting
- Community involvement Bidding and Award
- Construction Administration

Key Individuals
Mauricio Paredes, P.E.
James Kanter, P.E.
Ronald Colas, P.E.
Jeannelia Liu, P.E.
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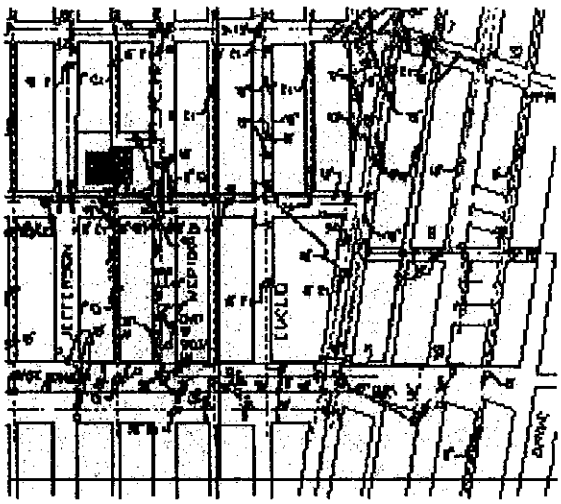
Ric Martinez, P.E.

Description



Burns & McDonnell is currently principal subconsultant for the civil engineering required by this project. The scope of services includes: planning, design, bidding and award, and construction administration of the capital right-of-way infrastructure improvements for the Flamingo/Lummus neighborhood in Miami Beach, Florida. The project encompasses an area from 5th to 16th Streets, and from Alton Road to Ocean Drive. The project is located in the heart of the South Miami Beach area and includes much of the National Register Architectural District. The area is characterized by residential and commercial developments surrounding the Flamingo and Lummus Parks. Capital improvements involve upgrading the water distribution and storm drainage systems within the right-of-ways to maximum levels of service attainable with available funding. The existing infrastructure is stressed beyond capacity and deteriorating from decades of use. Plans call for replacement of undersized water mains and tuberculated pipes to increase water pressures and flows. In addition, undersized storm piping will be replaced and deep wells retrofitted to reduce flood levels and improve the water quality of stormwater runoff.

The planning effort requires the following: data collection, evaluation of existing infrastructure, alternative development and selection, and preparation of a Basis of Design Report. Initially, all utility companies will be contacted and record drawings of existing infrastructure obtained. Second, verification of master plan documents will be performed and field studies conducted to evaluate the performance of the existing water and storm drainage systems. After the evaluation process, alternatives will be developed with detailed cost analyses. The planning phase culminates in a Basis of Design Report describing the engineering analysis, alternatives and preferred alternative recommended by Burns & McDonnell for each of the components of the project.

The planning phase also involves community involvement though participation in two community design workshops. Burns & McDonnell will present various alternative implementation schemes for the water and storm drainage improvements and provide engineering support related to the above ground improvements. During these sessions valuable feedback will be obtained and incorporated into the final alternatives analysis and selection of the preferred alternative that will be the basis of the final design.

Following the planning of the improvements, construction documents will be developed under an aggressive schedule. The construction plans are anticipated to number more than 400 sheets. Total construction cost of underground infrastructure improvements is estimated at $9,919,500.

Star, Palm and Hibiscus Islands Neighborhood Water, Wastewater, and Stormwater Improvements, and Streetscape Enhancements *(Subconsultant)*

City of Miami Beach, Florida

Contact
Program Manager:
Burt Vidal, P.E.
Hazen & Sawyer
975 Arthur Godfrey Road
Miami Beach, Florida 33140
(305) 532-9292

Consultant
Burns & McDonnell
2701 Ponce de Leon Boulevard
Suite 300
Coral Gables, FL 33134
(305) 476-5820

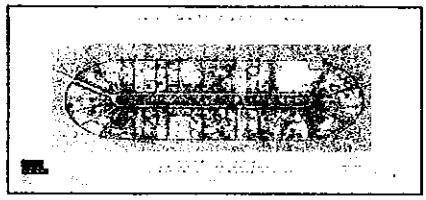
Completion Date
Start: July 2000
Submitted 30% Construction Plans (Design In Progress)

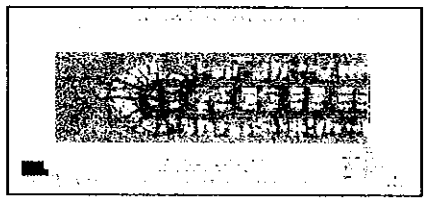
Design Fee
$134,000.00

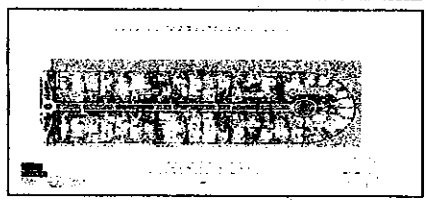
Construction Cost Estimate
$3,400,000.00

Relevant Tasks
- Planning
- Design
- Stormwater analysis and design
- Water Distribution analysis and design
- Cost analysis
- Environmental permitting
- Community involvement Bidding and award
- Construction Administration

Key Individuals
Mauricio Paredes, P.E.
James M. Kanter, P.E.







Description
Burns & McDonnell is currently principal subconsultant for all the engineering required by this $12.4 million urban infrastructure redevelopment project. The scope of services includes: planning, engineering, bidding, and construction administration of the capital right-of-way infrastructure improvements for the Star, Palm and Hibiscus Islands neighborhood in Miami Beach, Florida. The capital improvements involved include: water, wastewater, stormwater, and aboveground streetscape enhancements. The aboveground improvements include street lighting, sidewalk repair, and other sidewalk improvements required for compliance with the Americans with Disabilities Act (ADA), street resurfacing, and pavement markings. The planning effort requires verification of previously prepared water and wastewater system and stormwater master plans, field verification of existing infrastructure, alternative development, cost analysis, and phasing of the construction of the improvements. The planning phase culminates in a basis of design report describing the engineering analysis, alternatives and preferred alternatives recommended by Burns & McDonnell for each of the components of the project.

The planning phase also involves community involvement though participation in two community design workshops. Burns & McDonnell will present various alternative implementation schemes for the wastewater and stormwater improvements and provide engineering support related to the above ground improvements. During these sessions valuable feedback will be obtained and incorporated into the final alternatives analysis and selection of the preferred alternative that will be the basis of the final design.

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Project Profiles

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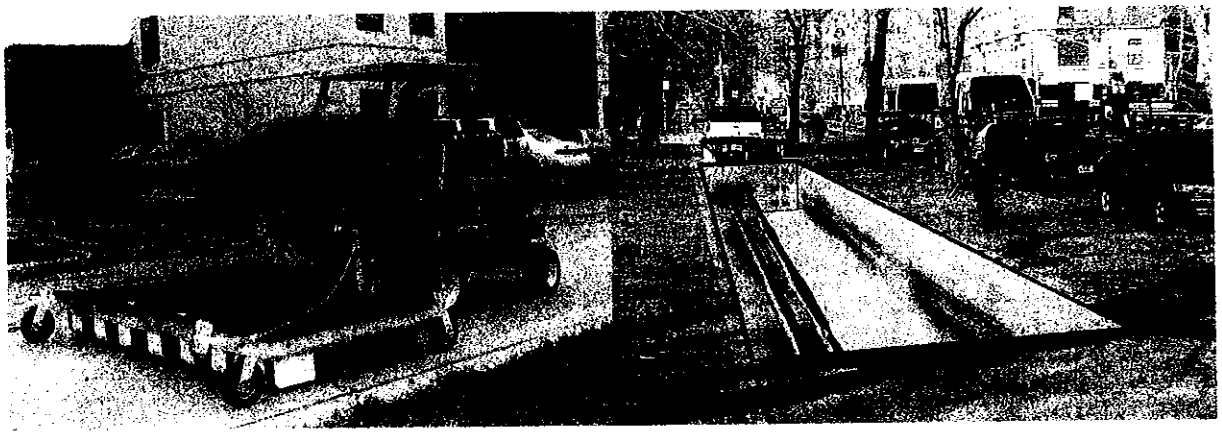

Computer Aided Radar Tomography

SERVICE NAME:	3D Imaging Radar—CART Services
PROJECT ENTITY:	Florida Department of Transportation, Various Governments & Utilities Throughout Florida
CONTACT NAME/NO.:	Greg Jeffries, Director—Subsurface Utility Engineering 954-782-8222
SERVICE DESCRIPTION:	Provides complete three dimensional imaging of existing underground facilities in near photographic image quality. Produces "slices" of underground information similar to CT or MRI Scans. Resulting information can be translated to AutoCAD® or Microstation® formats and is accurate to +/- 0.2" horizontal and vertical.
APPLICATIONS:	Underground Utilities / Facilities, Landfill Studies, Graveyard Studies, Archeological Sites, Leak Detection, Brownfield Studies, Contaminant Plume Mapping, Underground Storage Tank Inspections, Utility As-Built GIS Mapping.

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Project Profiles

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Utility Locations

PROJECT NAME:	**Locate / Mark City of Lauderhill Utilities**
PROJECT ENTITY:	**City of Lauderhill, FL**
CONTACT NAME/NO.:	**Brian Shields, P.E., Utilities Director** ***Phone: 954-730-2961***
PROJECT DESCRIPTION:	**Perform complete surface designation of existing City of Lauderhill Utilities including, water, sewer, raw water & reclaim.**
RESPONSIBILITIES:	**Electronic Surface Designation, Ground Penetrating Radar Studies, Vacuum Soft Digs & GPS/GIS Utility Surveys**
TOTAL BID PRICE:	**$60,000 Annually**
PROJECT INITIATION:	**February 2003**
PROJECT COMPLETION:	**February 2005**

Project Profiles

Craig A. Smith & Associates

Subsurface Utility Engineering

PROJECT NAME:	**Port Everglades Security Enhancements**
PROJECT ENTITY:	**HyPower, Inc.**
CONTACT NAME/NO.:	**Eric Paul-Hus** ***Phone: 954-978-9300***
PROJECT DESCRIPTION:	**Perform complete surface designation of existing Utilities including, Fuel, Oil, Gas, Powdered Cement Solids, Water, Sewer, Raw Water, Reclaim, Traffic Signal Interconnect, Street Lighting and Other Communications.**
RESPONSIBILITIES:	**Electronic Surface Designation, Ground Penetrating Radar Studies, Vacuum Soft Digs & GPS/GIS Utility Surveys**
TOTAL BID PRICE:	**$202,400.00**
FINAL PRICE:	**Ongoing**
PROJECT INITIATION:	**February 2004**
PROJECT COMPLETION:	**June 2004**

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Project Profiles

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Subsurface Utility Engineering

PROJECT NAME:	**Port of Miami Security Enhancements**
PROJECT ENTITY:	**HyPower, Inc.**
CONTACT NAME/NO.:	**Eric Paul-Hus** ***Phone: 954-978-9300***
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RESPONSIBILITIES:	**Electronic Surface Designation, Ground Penetrating Radar Studies, Vacuum Soft Digs & GPS/GIS Utility Surveys**
TOTAL BID PRICE:	**$200,000.00**
FINAL PRICE:	**Ongoing**
PROJECT INITIATION:	**April 2004**
PROJECT COMPLETION:	**September 2004**

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Project Profiles

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Subsurface Utility Engineering

PROJECT NAME:	**Sweetwater Drainage Improvements**
PROJECT ENTITY:	**City of Sweetwater, Florida**
CONTACT NAME/NO.:	**Manuel Marono, Mayor 305-221-0411**
PROJECT DESCRIPTION:	**Perform complete subsurface utility engineering for all existing utilities including, water, sewer, irrigation, drainage and street lighting in advance of $15MM stormwater drainage improvement project.**
RESPONSIBILITIES:	**Electronic Surface Designation, Ground Penetrating Radar Studies, Vacuum Soft Digs & GPS/GIS Utility Surveys**
TOTAL BID PRICE:	**$175,000.00**
FINAL PRICE:	**$175,000.00**
PROJECT INITIATION:	**March 2001**
PROJECT COMPLETION:	**Continual**

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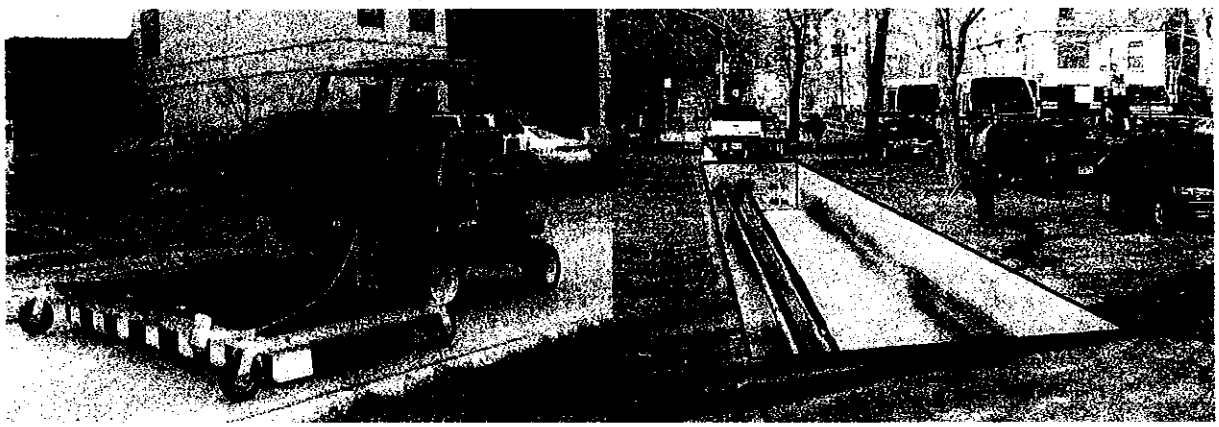

Computer Aided Radar Tomography

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Project Profiles

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Project Profiles

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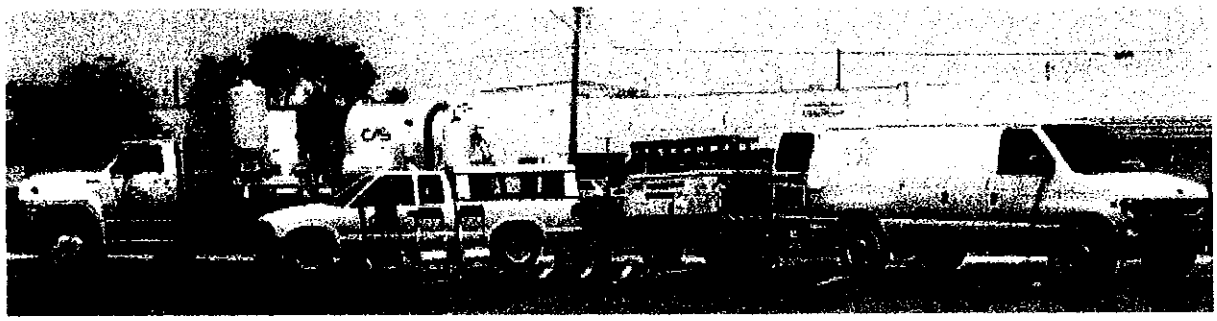

Subsurface Utility Engineering

PROJECT NAME:	**Broward County Locate / Mark Utilities**
PROJECT ENTITY:	**Broward County OES**
CONTACT NAME/NO.:	**Joe Finley, Damage Prevention Director** ***Phone: 954-985-8156***
PROJECT DESCRIPTION:	**Perform complete surface designation of existing Broward County Utilities including, water, sewer, raw water, reclaim, traffic signal interconnect, street lighting and other communications.**
RESPONSIBILITIES:	**Electronic Surface Designation, Ground Penetrating Radar Studies, Vacuum Soft Digs & GPS/GIS Utility Surveys**
TOTAL BID PRICE:	**$302,755.50 Annually**
FINAL PRICE:	**$302,755.50 Annually**
PROJECT INITIATION:	**December 2002**
PROJECT COMPLETION:	**December 2004**

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EDSA

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PROJECT LISTING

A1A Daytona Beach Streetscape
Client: City of Daytona Beach
301 S. Ridgewood Avenue
Room 240
Daytona Beach, FL 32115-2451
386-671-8127
Description: A 1.3 mile stretch of Atlantic Avenue through Daytona Beach. EDSA provided the original 10 mile corridor enhancement study along the "World's Most Famous Beach" stretching from Ormond Beach to Daytona Beach Shores.
Started: 1/6/2003
Completed: 8/28/2003
Role of our firm: EDSA provided full landscape architectural design services including vehicular and pedestrian hardscape, landscape planting, landscape irrigation, beach access design, site lighting concepts and site furnishings.

City of Lauderhill Streetscapes
Client: City of Lauderhill
2000 City Hall Drive
Lauderhill, FL 33313
954-730-3010
Description: EDSA is currently providing conceptual master planning and landscape architecture for various landscape projects for the City of Lauderhill. The beautification process and overall master planning of the State Road 7/U.S. 441 corridor in Lauderhill is the first task for landscape improvements.
Started: 3/2/2004
Finished: On-going
Role of Our Firm: Conceptual master planning and landscape architecture

Broward County's Cpted On Sunrise Blvd. (Crime Prevention Through Environmental Design)
Client: Broward County Board of County Commisioners
Engineering Division
115 S. Andrews Avenue, Room 321
Fort Lauderdale, FL 33301
Description: EDSA provided conceptual design and preliminary cost estimates for improvements on Sunrise Boulevard, including gateway design, street furniture, pedestrian lighting and signage.
Started: 1/10/2000
Completed: 11/14/2000
Role of Our Firm: Conceptual design and preliminary cost estimates